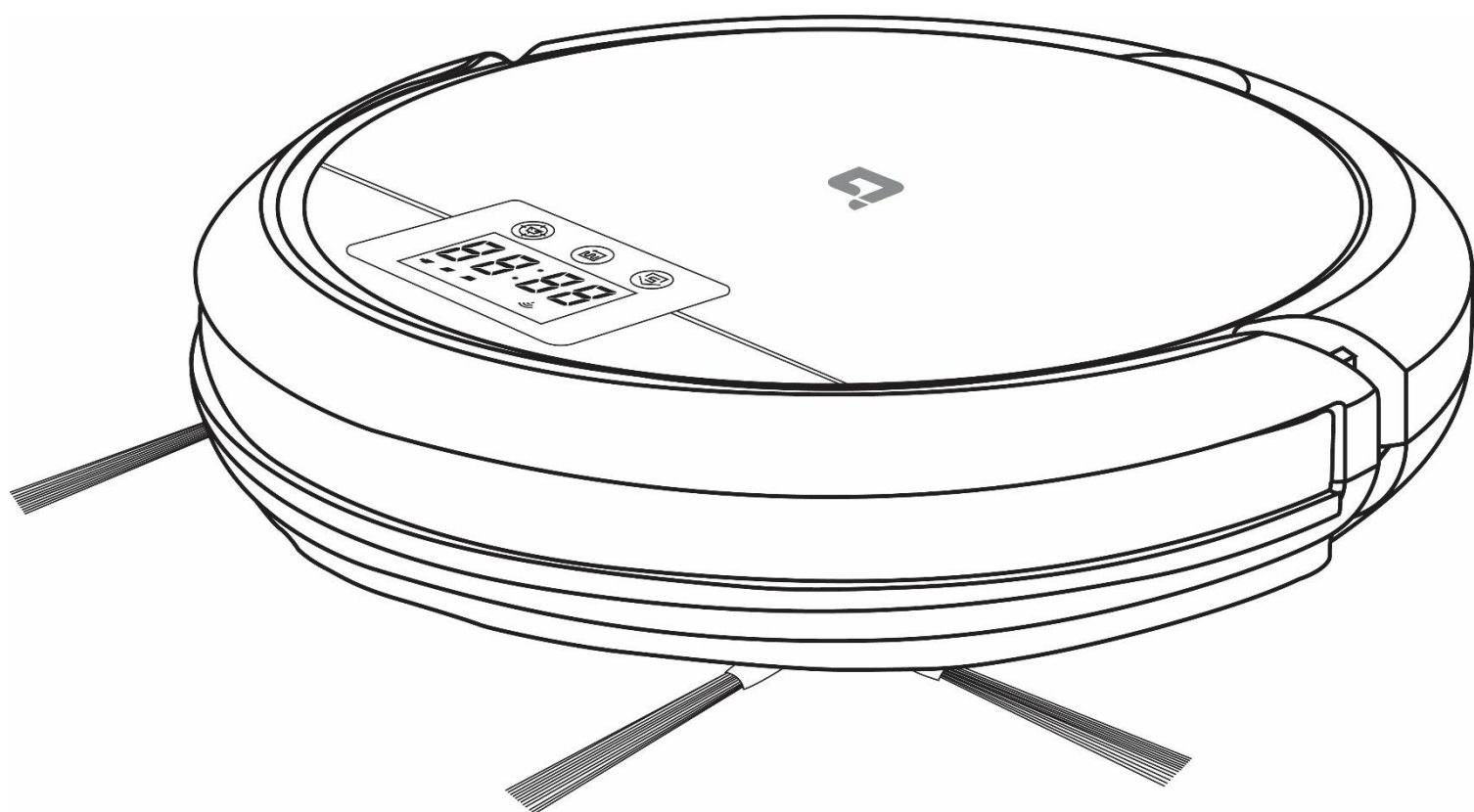


OPERATOR'S MANUAL



ROBOTIC VACUUM CLEANER

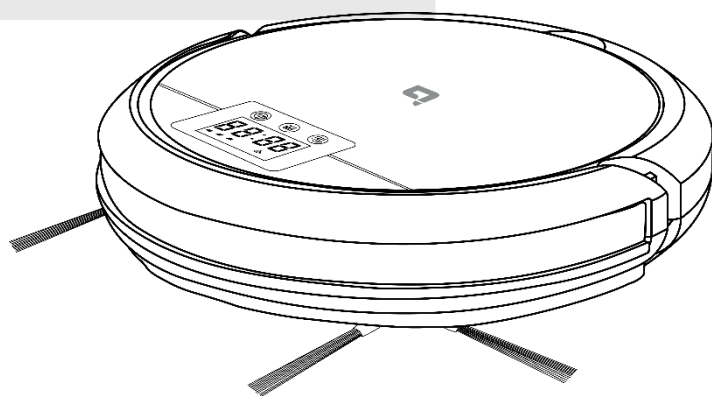
IBL RV19-26

<Read manual carefully before using>



TABLE OF CONTENTS

1. INTRODUCTION	3
2. ROBOTIC CLEANER SAFETY INSTRUCTIONS	4
3. PRODUCT SPECIFICATIONS	6
4. PRODUCT OVERVIEW	7
5. PRODUCT ASSEMBLY AND FUNCTIONS	15
6. GENERAL OPERATION	22
7. TROUBLESHOOTING	25



INTRODUCTION

A robotic vacuum cleaner is an autonomous vacuum cleaner that has an intelligent programming which allows the machine to clean autonomously without human control. Comparing to the normal cleaners, it is quiet, vacuum on their own, requires less space, can reach tight corners and have other cleaning types.

- Its cleaning type includes auto mode for general cleaning, scheduled mode, full-GO (maximum clean) mode, edge clean for corners, spot cleaning mode for cleaning a particular zone, and manual mode, allowing the user to steer the robot. It also has a wet cleaning mode, making it altogether to give options of sweeping, vacuuming and mopping damp or wet floors.
- This has a universal turbo brush system which ensures it to tackle multiple surfaces.
- It has an anti-collision feature, with the help of anti-drop and anti-bump sensors. If there are steps, open type balconies or stairs in the working area, magnetic strips can also be used as a virtual wall to prevent the machine from falling down or entering into restricted areas or rooms.
- It lasts up to *120 minutes of work (with full charge), it also automatically docks and charges, and is always prepared to clean the floor.

We can also control the unit using the app 'Tuya Smart' and 'Smart Life' (either by scanning the QR code or download on Apple/Play store) over a WiFi connection from your phone or connected home virtual assistants (Amazon Alexa and Google Home), with the help of a Smart Home Hub or Gateway.



ROBOTIC VACUUM CLEANER SAFETY INSTRUCTIONS

 **WARNING!** Read all safety warnings, instructions, illustrations and specifications provided with this product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

ELECTRICAL SAFETY

- Before you connect the appliance, ensure the voltage rating on the type plate corresponds to your mains voltage.
- **Do not remove the inner cover, there are no user serviceable parts inside.** Refer servicing only to a qualified personnel.
- **Do not operate this appliance with a damaged plug or cord,** it must be replaced by the manufacturer or its service agent.
- **Do not touch wires, sockets or power adapters when your hands are wet.** Do not remove the appliance from the mains power supply by pulling the cord; pull the plug.
- **Do not push objects into any openings** as damage to the equipment and/or electric shock may occur.
- If abnormal noise, smell, smoke or any other failure is discovered during operation, turn OFF the product and unplug the power plug, then contact the service centre for repair.

ENVIRONMENTAL SAFETY

- **Do not use this appliance outdoors,** especially in commercial or industrial environments, as this is an indoor household product.
- **Do not use it in wet environment** (like bathrooms and all). Water could damage the circuit board.
- **Ensure the appliance is not too close to heat emitting appliances or placed in direct sunlight.**
- **Ensure it can operate freely (must not be blocked or overturned)** and make sure all doors leading outside are closed. Clear all loose wires, candles, vases and fragile objects etc. that are placed on the floor or furniture.



OPERATIONAL SAFETY

- **Do not use this equipment for anything other than its intended use.** The appliance must be used in accordance with the directions in this Operators Manual.
- **This equipment is not intended for use by people (including children) with reduced physical, sensory or mental capabilities or lack of experience or knowledge.** They should be given appropriate supervision and instructions to use the equipment by a person responsible for their safety. **Close supervision is required when using this equipment near children or pets.** Never leave the equipment within the reach of young children or pets, as they may find it as a toy and you know what's gonna happen next.
- **Before use, keep the floor clear and out of the clutter** (inclusive all fragile items, ropes, clothing, papers, and loose wires on the floor). Roll up the floor length curtain and the carpet, to avoid the appliance getting into and breaking down.
- **Please ensure that the dust box and dust filter screen are installed correctly before using.** Please do not place your hair, clothes, fingers or other parts of your body too close to the main brush or side brush of the product to avoid being wound.
- **Inform other members of the house when this product works to prevent tripping.** Do not put this product in a place where it is easy to fall (on desks and chairs).
- **Never use the robot to clean up sparking cigarettes or burning ashes, combustible or highly volatile liquids such as gasoline.** Do not use this to pick up spills of bleach, paint, or other chemicals, or anything wet
- **Do not use the product when the suction port is blocked.** Clean up dust, cotton wool, hair, etc. at the suction opening to ensure smooth air circulation at the suction opening.
- Do not use in extremely hot or cold environments (above 40°C or below 0°C). **Store and operate your robot in room temperature environments only.**
- To prevent the machine falling off the steps, please confirm the minimum distance of 15cm.
- **Turn off the power and remove the battery from the appliance if the unit will not be used for a long period of time.**



BATTERY AND CHARGING GUIDE

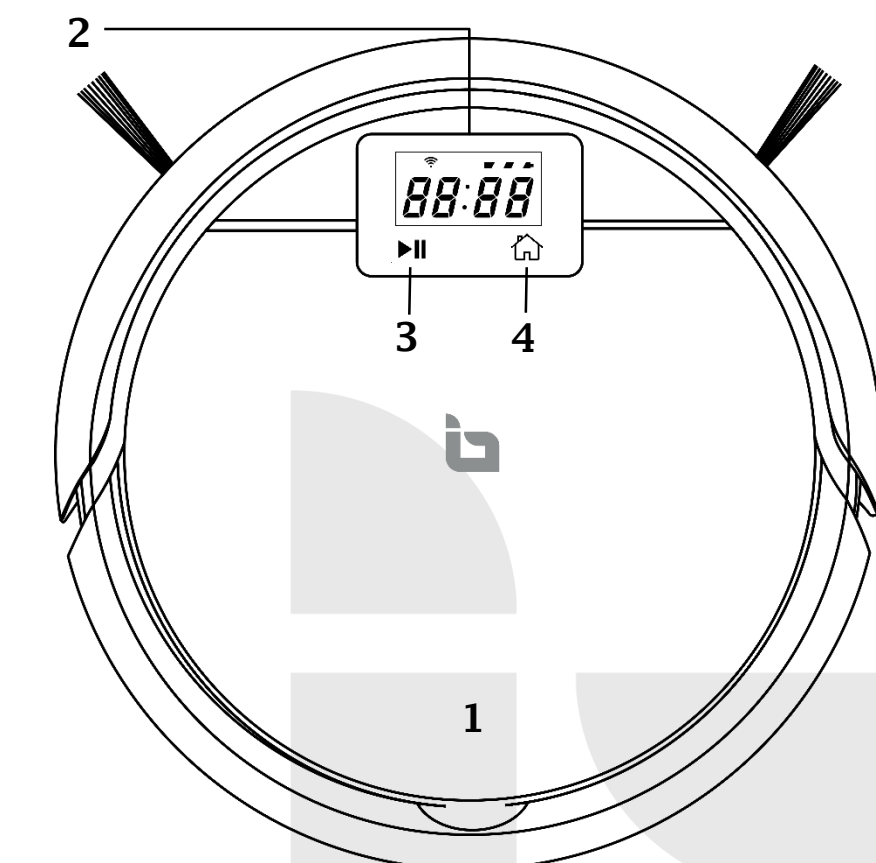
- **Use only the original rechargeable battery and charging station equipped with the appliance.** Do not use damaged charging seat. Do not use any un-rechargeable or different type/model battery, which will cause malfunctions.
- Please use the voltage and current specified on the appliance.
- **Do not charge the battery if the cable or plug of the battery is damaged.** Do not keep on using the equipped battery if the packing cast is broken or the battery is leaking. Please handle with rubber gloves to avoid making contact with skin.
- Take out the battery pack before disposing of the unit. Do not try to disassemble the battery.

PRODUCT SPECIFICATIONS

Input Voltage	: 100-240V~50/60Hz
Output Voltage	: 19V/0.6A DC
Battery	: 14.8V/2600mAh Li-ion
Charging Time	: 4-5 hrs
Working Time	: 90-120 min
Noise Level	: ≤60 dB
Dustbin Capacity	: 250 ml
Water Tank	: 150 ml
Weight	: 2.5 kg
Suction power	: 1300 Pa

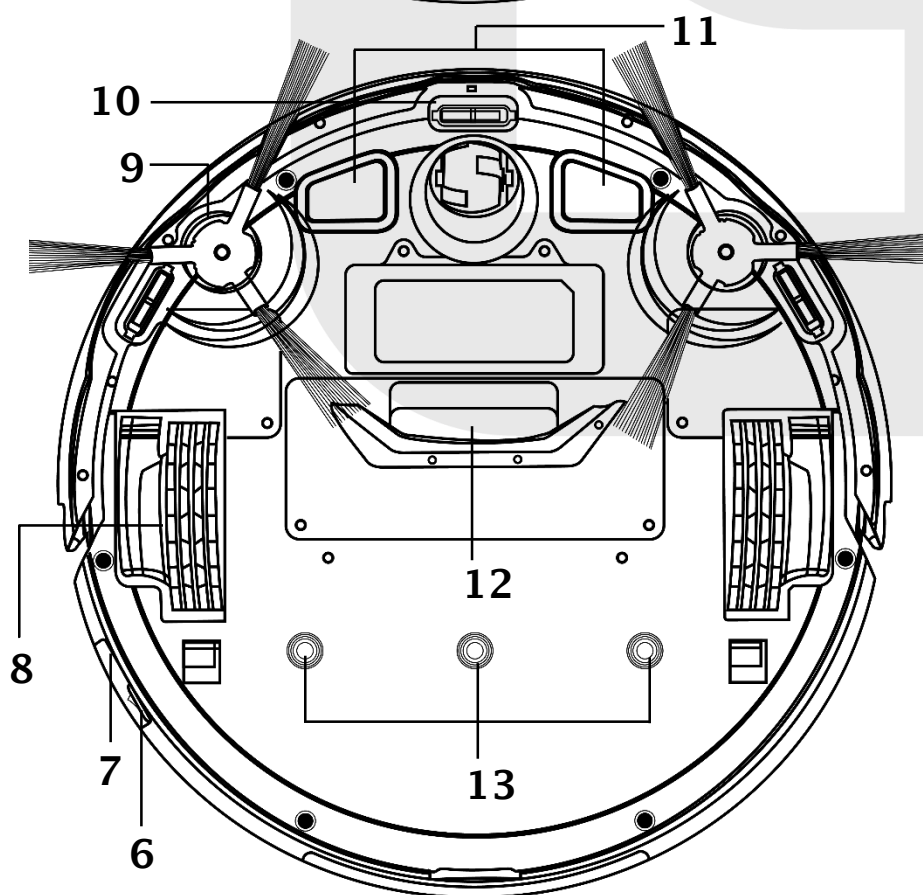


PRODUCT OVERVIEW



Top View:

1. Top cover
2. LED display
3. Start/Pause & Pairing mode (2 functions)
4. Auto charging mode (Home 'Find' mode)



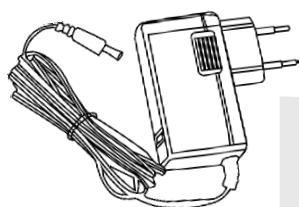
Bottom View:

6. Power switch
7. DC input
8. Wheel
9. Side brush
10. Anti-falling sensor
11. Charging pole
12. Suction port
13. Water outlets

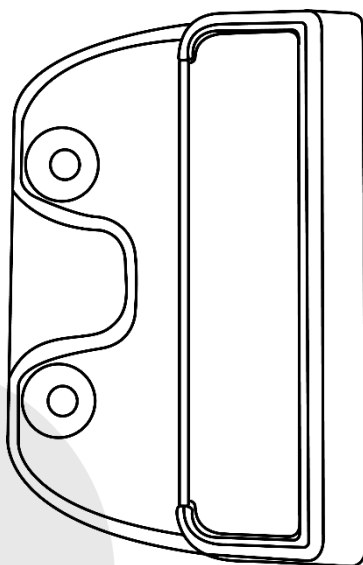
ACCESSORIES

- Side brushes
- Mopping clothes

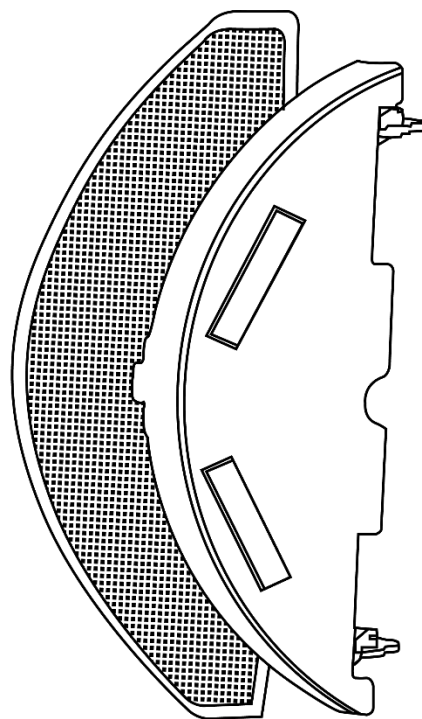
Adapter



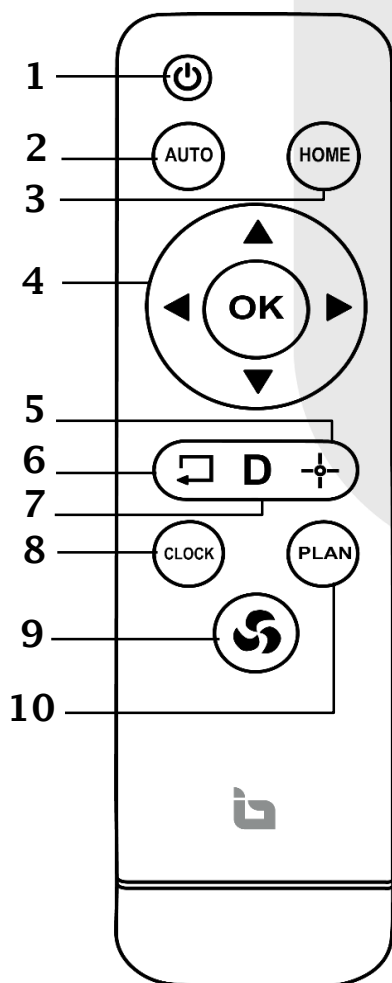
Charging station



Mopping frame and cloth



REMOTE CONTROL



1. Standby/Wake up:

If the Robot stops working for more than ten minutes, it will automatically enter sleep mode. You can wake up the Robot by pressing this and vice versa.

2. Auto cleaning mode:

Clean rooms automatically and adjusts cleaning modes according to environment.

3. Auto charging (Refer page no. 13)

4. Directions:

For Manual Cleaning, moves forward/backward/ left/ right.

5. Spot cleaning mode: Spiral Cleaning

6. Edge cleaning mode: Border Cleaning

7. Full go cleaning:

Automatic cleaning when charging finished.

8. Time setting

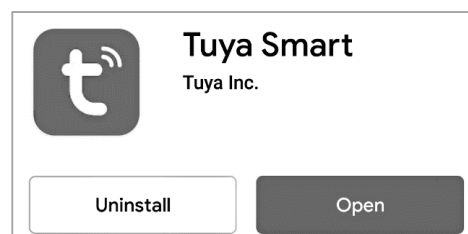
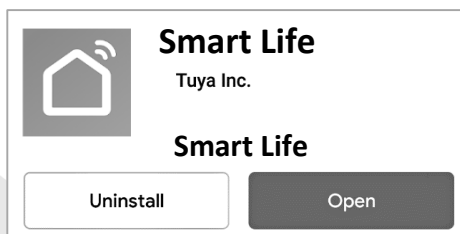
9. Strong power mode

10. Schedule setting

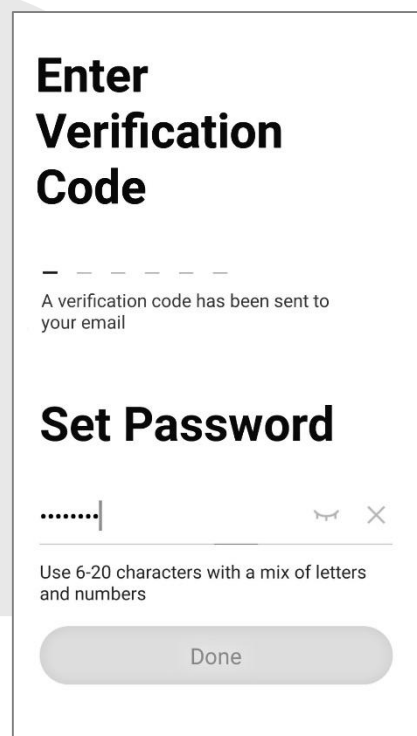
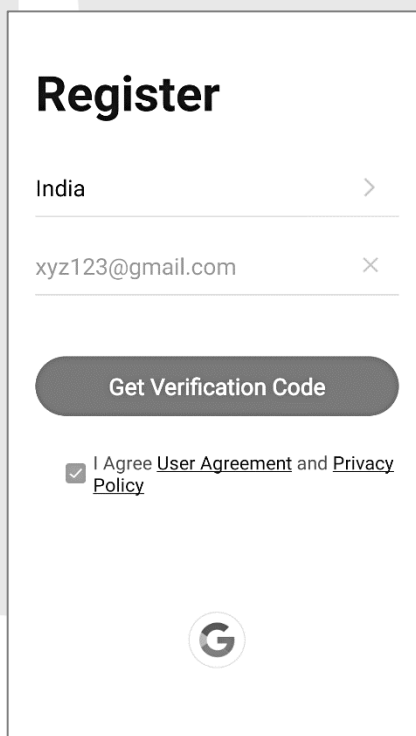
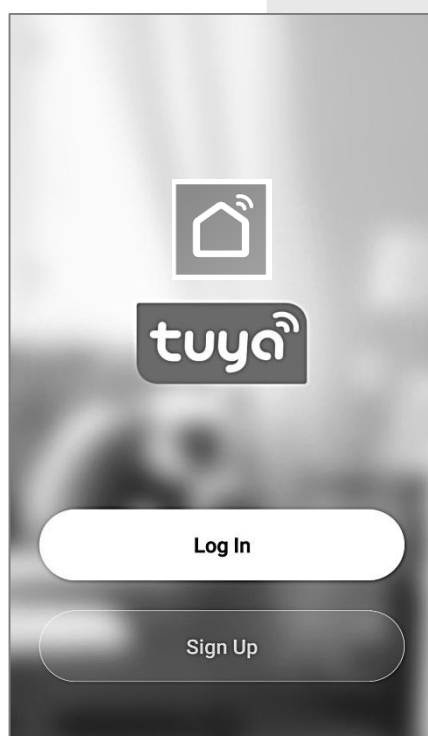
(Refer the upcoming pages for detailed explanations on these modes)

APP CONTROL

The Robot vacuum cleaner has built in Wifi module and firmware, which support user control of the Robot cleaner via an application 'Tuya Smart' on your mobile phone as well as through connected home automation device (Amazon Alexa and Google Home)

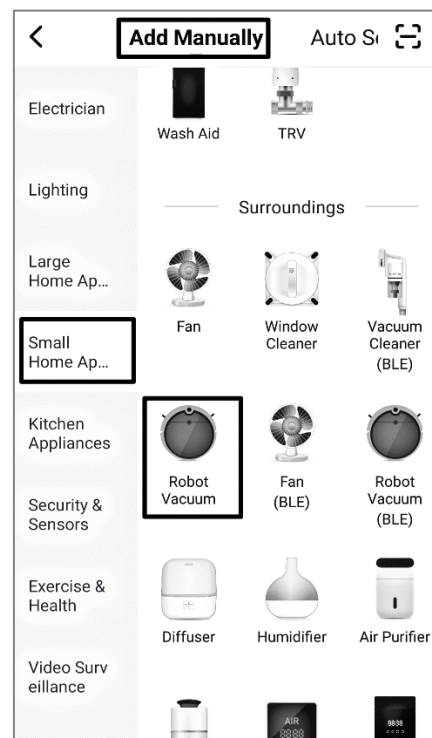
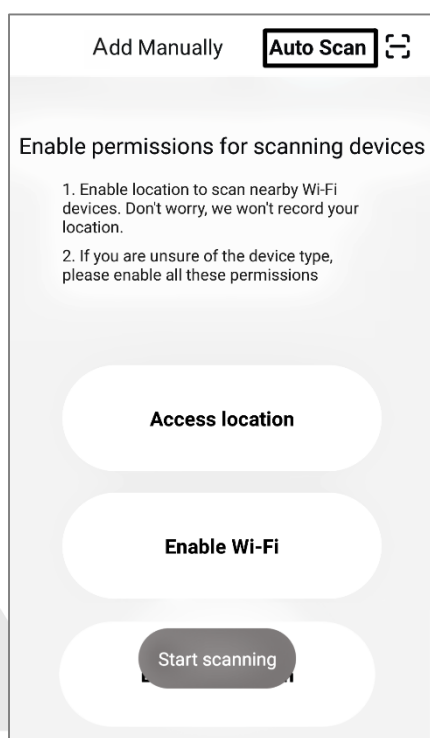
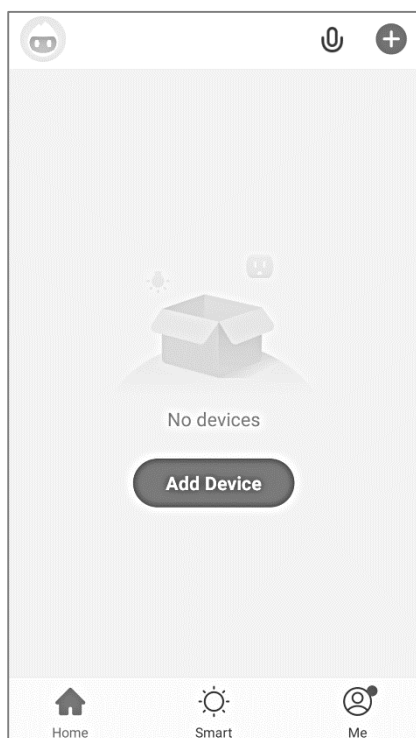


Download the app from App store/Google play or simply scanning the above QR code.

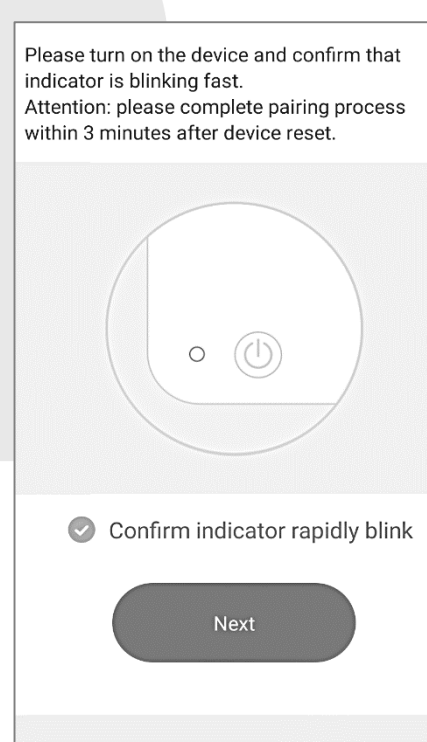
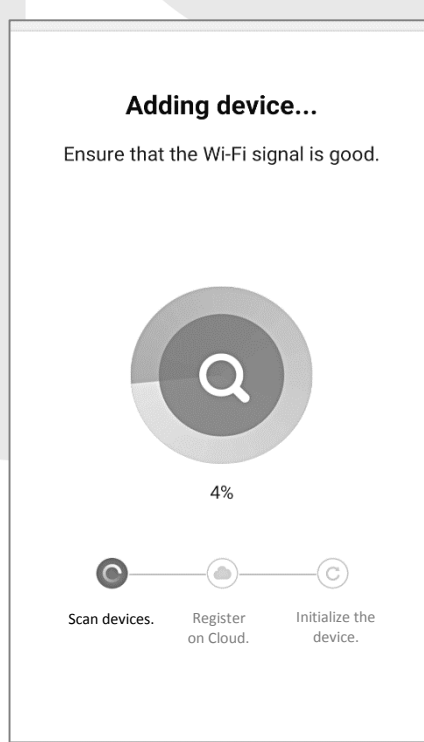
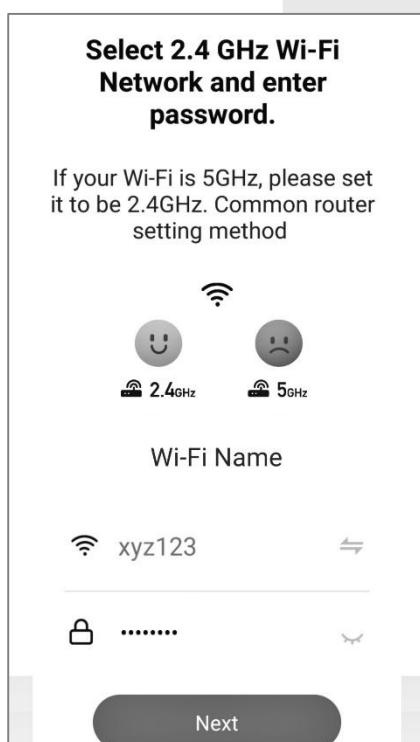


Open the App and register an account with your email address, a verification code would be sent, type it and set a password and you are ready to log in.

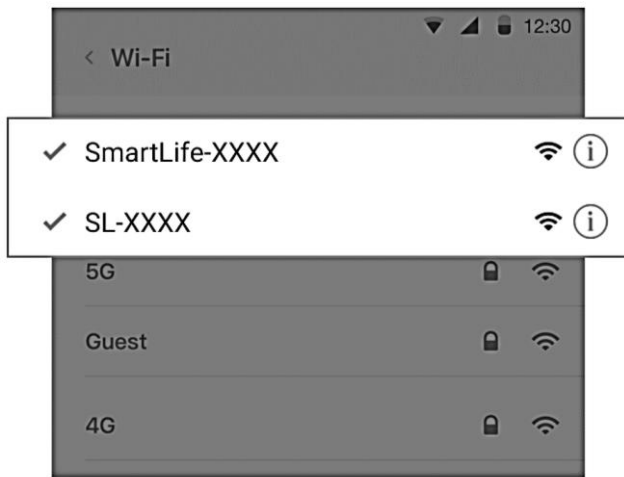
To ensure successful pairing, we suggest you enable the access such as Wifi, Location and Bluetooth.



Tap on 'Add Device'. Make sure the device is switched ON. You can add your appliance by auto scanning or adding manually the robot vacuum cleaner, selecting small home appliances.

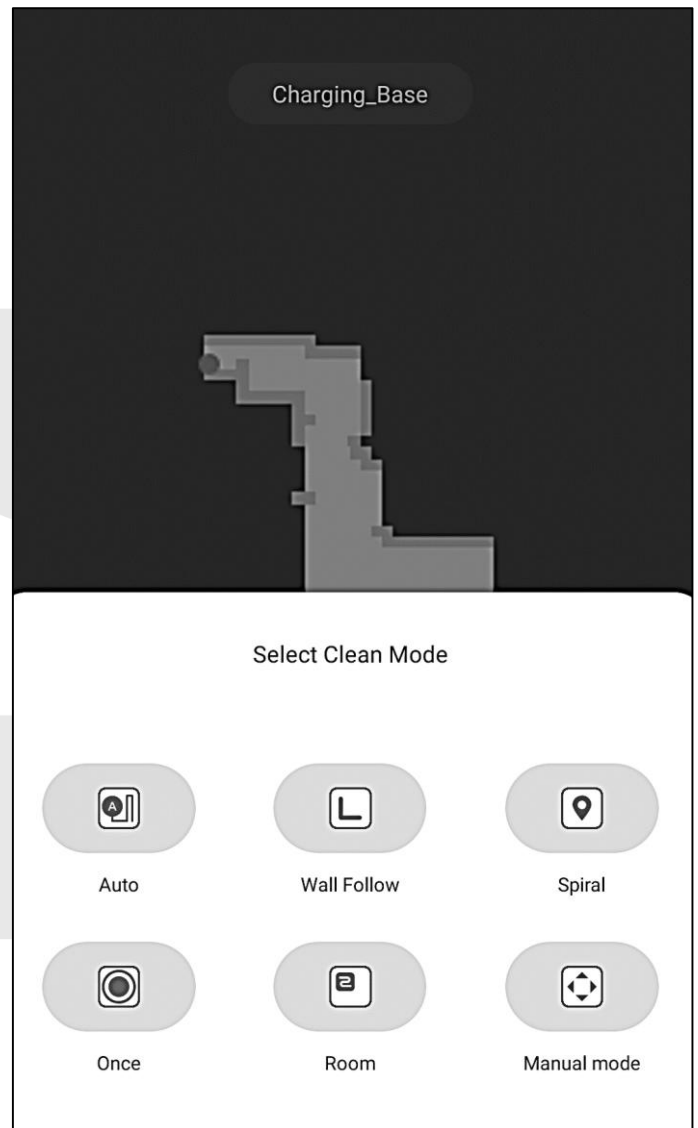
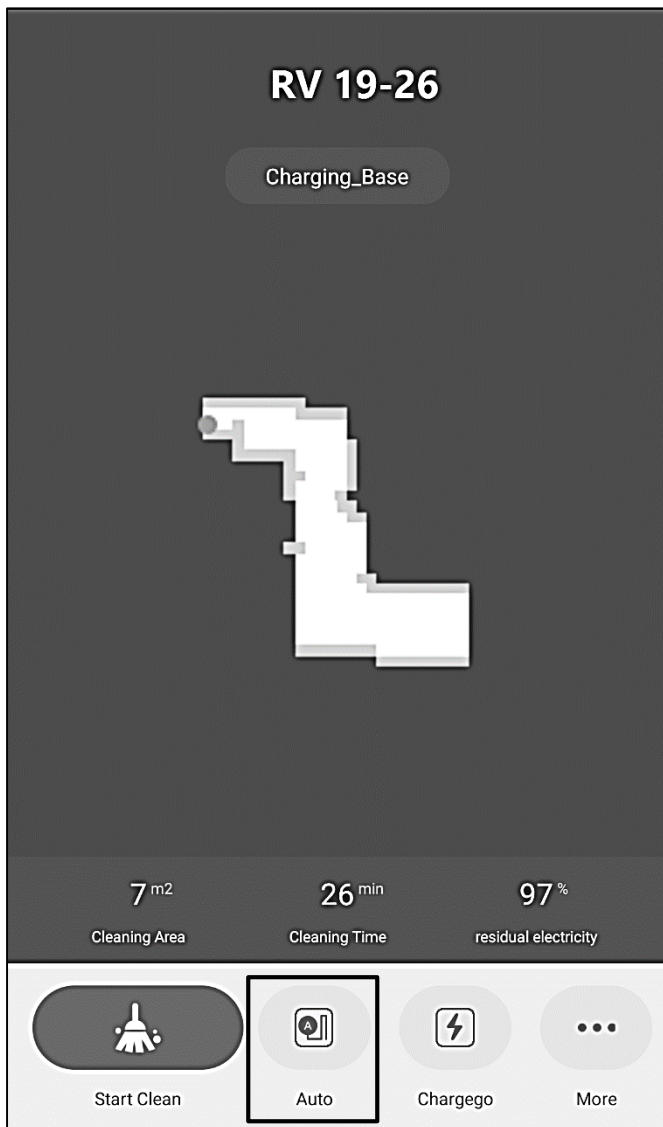


Select your Wifi network there by connecting the device. To start pairing the device, press **▶||** mode on the device couple of seconds, leaving it makes wifi symbol to blink rapidly, making the pairing successful.



Switching AP Mode to EZ Mode

If that does not work, as alternative you could connect your phone to the device's hotspot, through pairing by pressing the ►|| for couple of seconds.

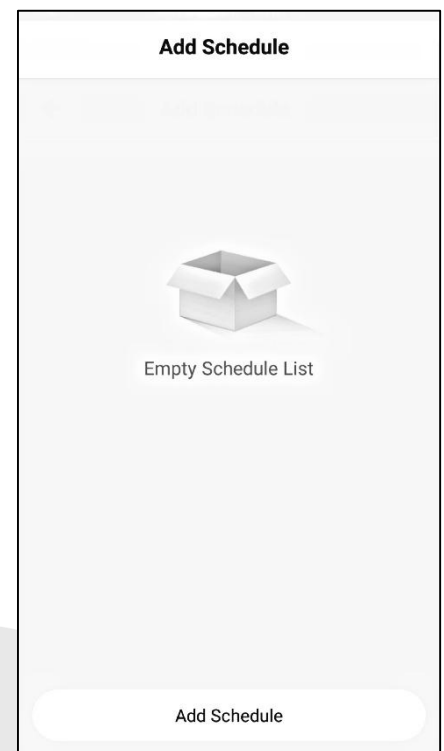
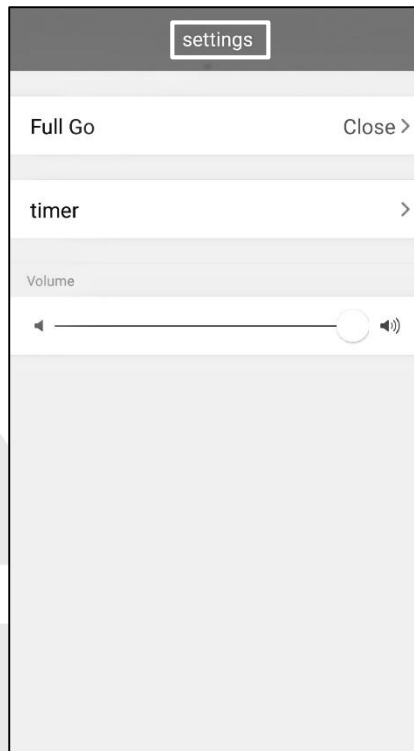


Once the device is added successfully, the cleaning control of the app can operate the robot into different working modes by pressing the 'Auto' mode.

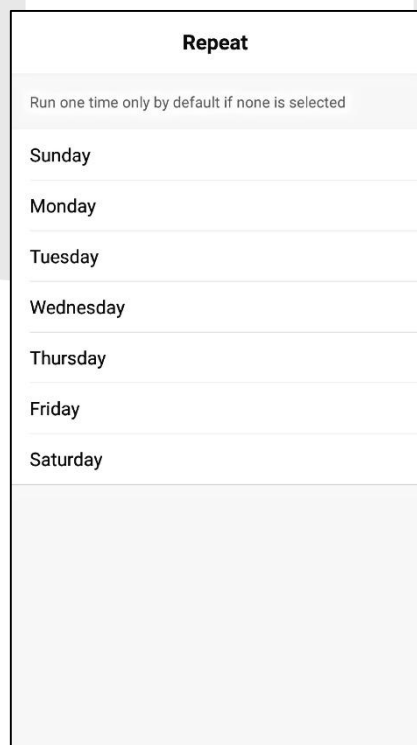
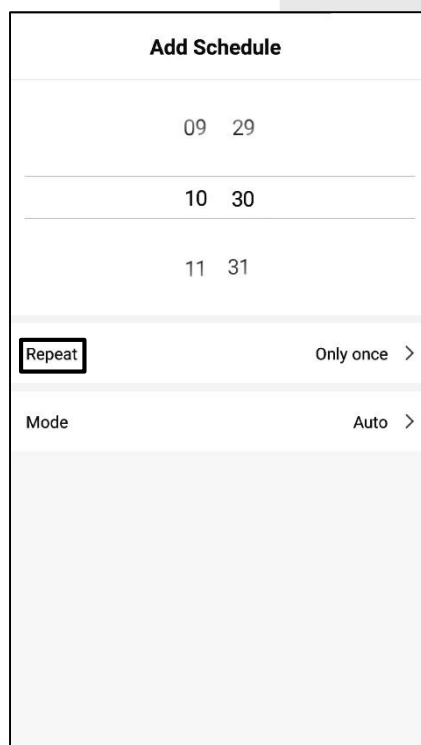
Spiral option enables spot cleaning, Room option for single-room sweep. By enabling the 'Charge go', it automatically finds the charging dock to charge. 'Wall Follow' for edge cleaning.



NOTE: Be calm and patient, it takes some time for the pairing, may be some tries as well. It's a stranger after all, give it some time to be friends with you.



Manual control (direction) enables specific cleanings. In the 'Settings (more)' you will find Full Go settings (which enables automatic cleaning when charging finished) and Scheduling (time setting and repeat modes).



HOME ASSISTANT



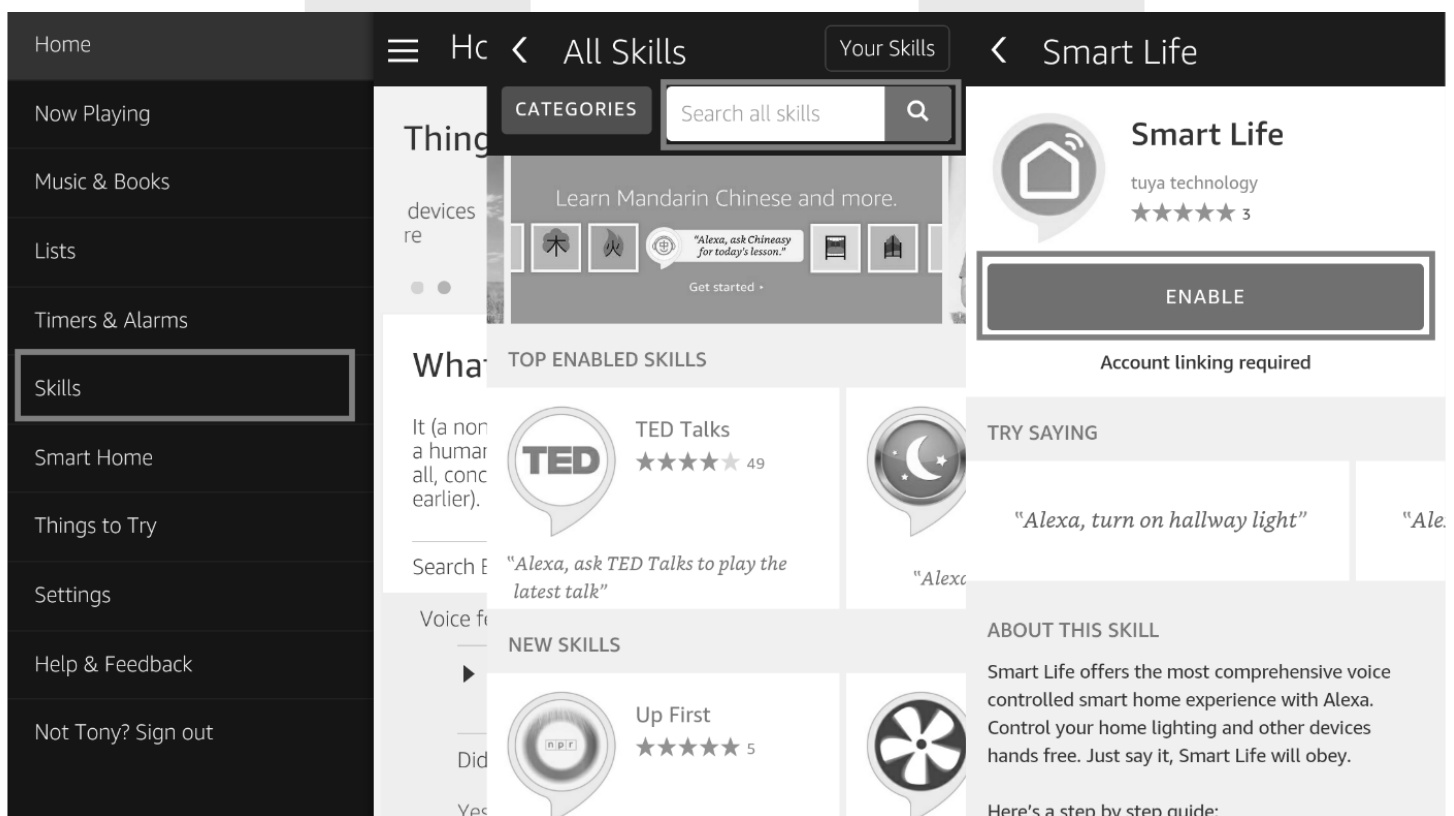
We can also control the appliance using connected virtual assistants (like Amazon Alexa and Google Home) with the help of our app control the Tuya Smart/Smart Life

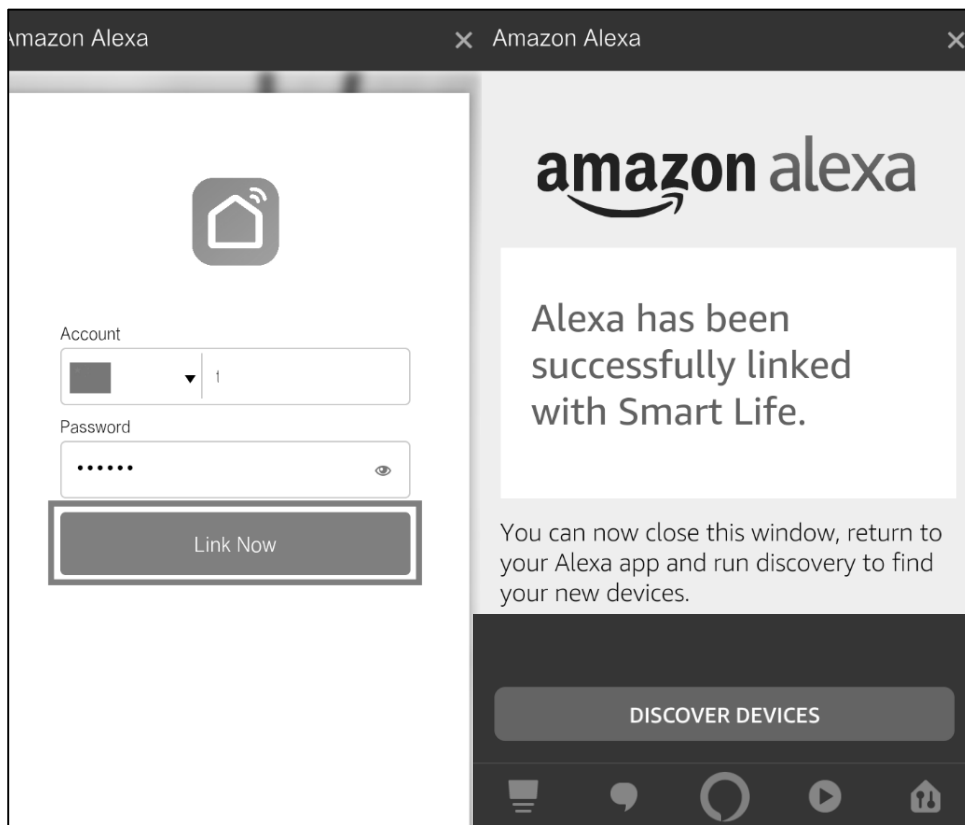
NOTE: A Smart Home Hub or Gateway could be essential for the robot to work with the virtual home assistant devices.

<https://www.amazon.in/Tuya-Inc-Smart-Life/dp/B01N1ZVI7M>

Go along with the above link online to understand the details

- Once the robotic vacuum cleaner is connected to Wi-Fi, open the Amazon Alexa or Google home app on your phone.
- Tap the search icon or add devices to enable smart devices by finding the 'Smart Life'/ 'Tuya Smart' on the skills directory.
- Link your Smart life account by entering mail address and password, Then add device i.e Discover new devices. (You'll find the vacuum cleaner section or clicking other devices)
- Then click your device, the RV19-26.
- After all the setup is done, dont be shy, try talking to the home device to control the robot.

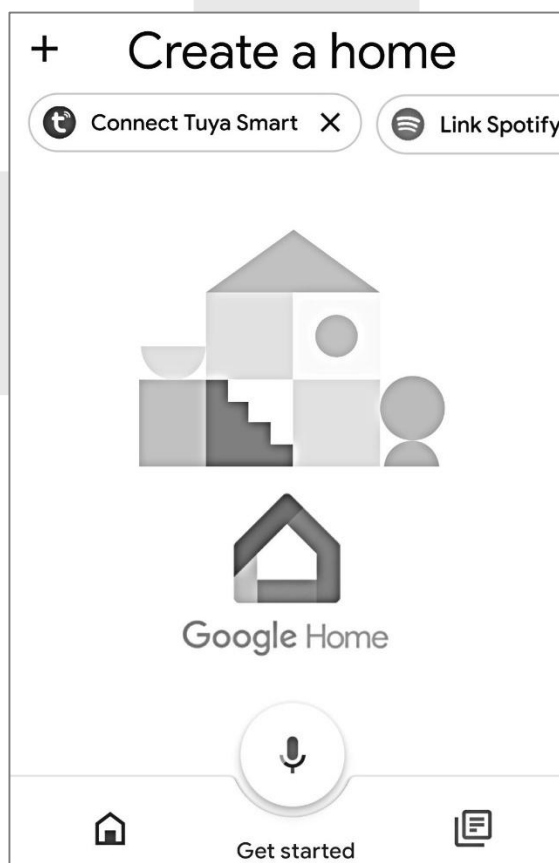
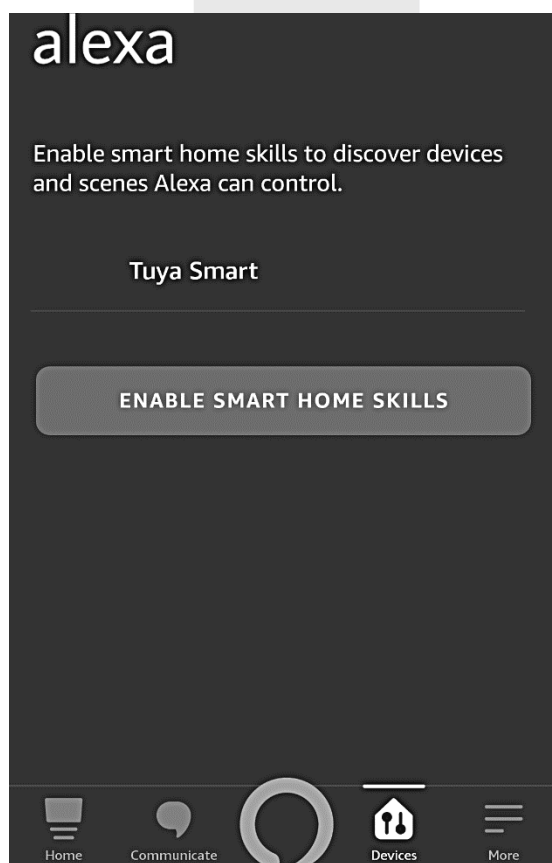




Commands you can say to the robot would be something like these

Alexa, turn ON vacuum cleaner

Ok google, ask Robot/RV19-26 to start cleaning.

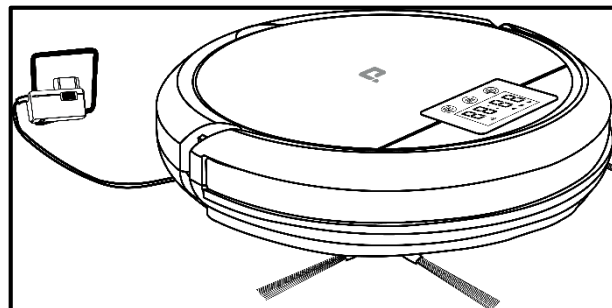


PRODUCT ASSEMBLY AND FUNCTIONS

CHARGING

MANUAL CHARGING:

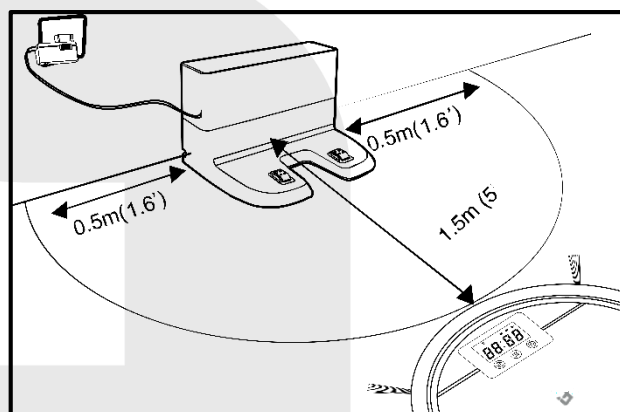
Connect the power adapter directly to the DC input (7) of the robot cleaner for charging. The LED display will light up and a prompt voice will be heard.



AUTO CHARGING:

During the cleaning process, the robot can sense that its power is insufficient, it automatically finds the charging dock to charge.

Place the charging dock station against a wall with a minimum clearance of 1 meter at both sides and about 1.5 meters in front of the station. Connect the power adapter to the DC input of the charging station. The indicator light on the charging station will be ON.



- When the robot is in 'Auto cleaning mode', it will start to find charging station when power is low.
- When the robot is in other mode, press 'Auto charging' on the robot or remote to let the robot start finding the charging station.

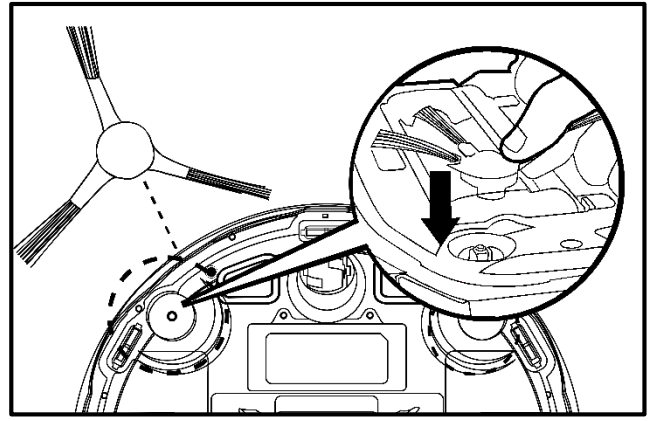
NOTE: Before first use, charge the robot for over 6 hours.

- Please note that there are no other obstacles near the station, otherwise it might be hard for the robot to find the charging station.
- If not to be used for more than 3 months, charge the robot for 12 hours, turn it off and store it in a cool and dry place.



SIDE BRUSH

Attach the side brushes (9) to the bottom of the robot by pressing a brush and screwing it into each slot according to the left and right (L/R) position until it clicks.



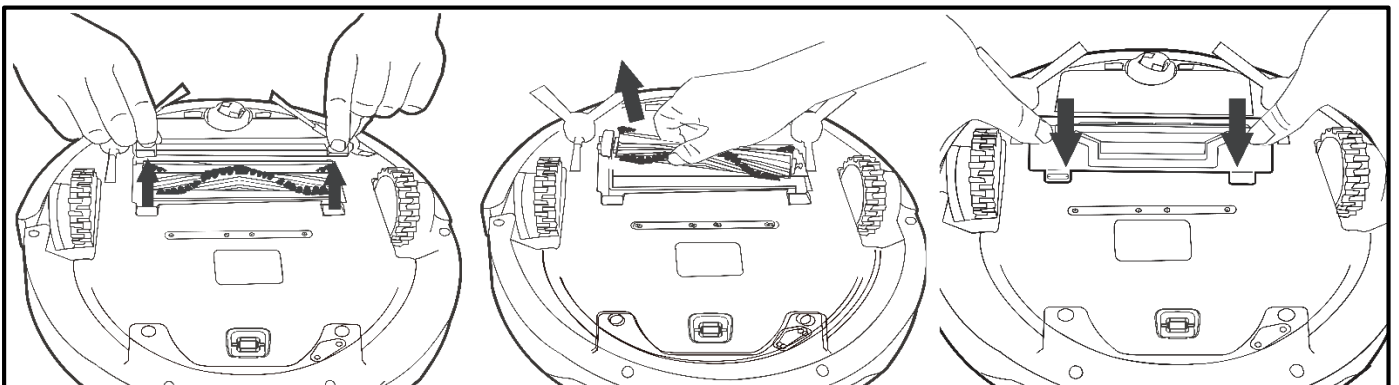
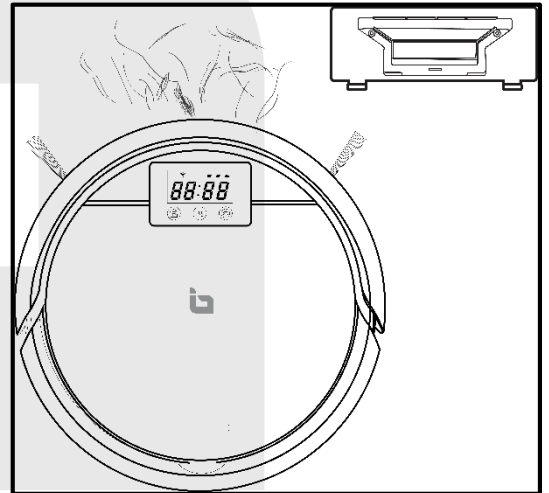
SUCTION OPTION

The robot has two interchangeable suction options for your convenience: Direct Suction Option and Main Brush Option

DIRECT SUCTION OPTION:

The best choice for daily cleaning is with the Main brush removed, designed to pick up hair without tangling.

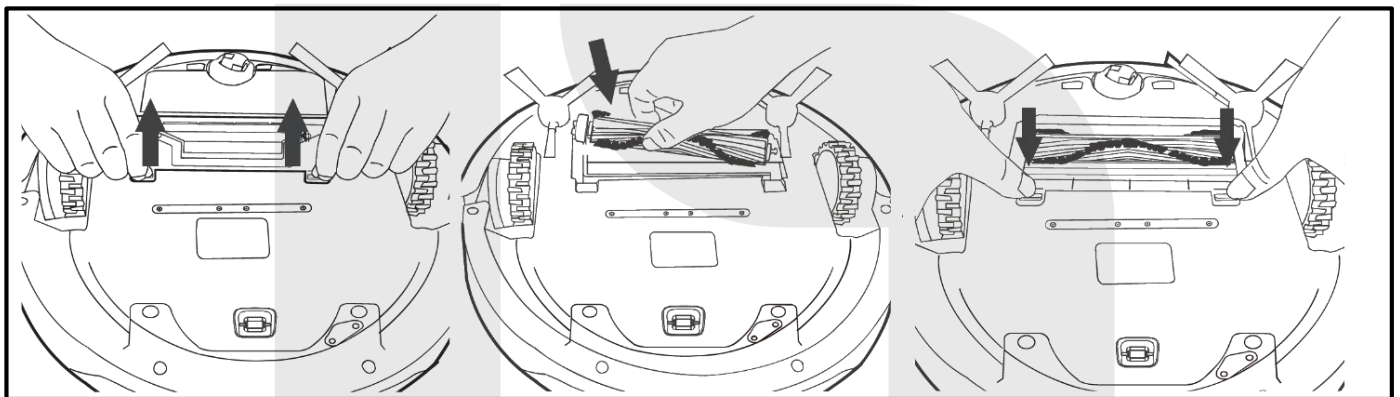
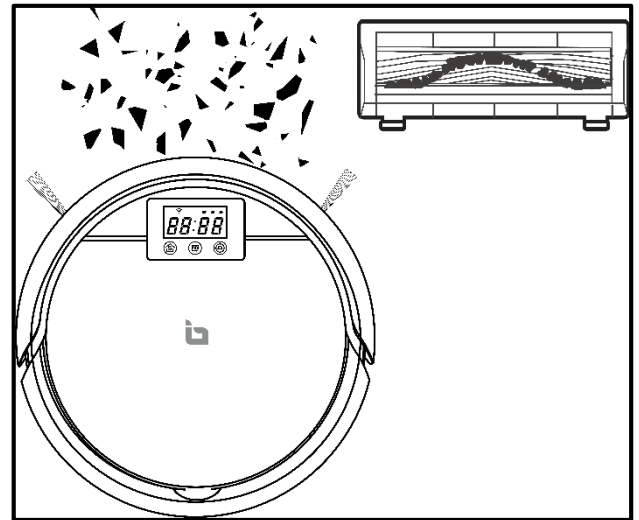
- For installing direct suction, Turn the robot over first.
- Push the Main brush section and remove the Main brush cover. Remove the Main brush.
- Line up the Direct suction option tabs with the slots on the bottom of the robot. Press until the component clicks into place.



MAIN BRUSH OPTION:

The best choice for deep cleaning is with a combination of the Main Brush and strong suction. The Main brush option usually comes pre-installed with the product.

- For installing the main brush, Turn the robot over.
- Push the Direct suction option and remove it. Insert the Main brush into the bottom of the robot.
- Line up the Main brush cover tabs with the slots on the bottom of the robot. Press until the component clicks into place.



⚠ WARNING! The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts! Follow the assembly instructions and use the picture provided in the above overview as a visual guide to easily understand the various parts and assemble the product!

POWER ON/OFF

Turn the robot's Power Switch (6) to the ON/OFF position to power ON/OFF. This is powered ON when it emits a musical sound and the AUTO Mode Button stays illuminated (usually).



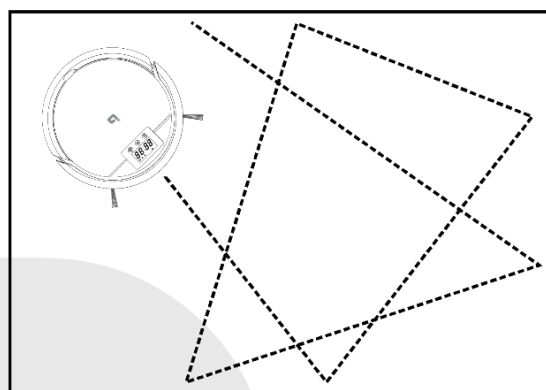
CLEANING MODES

According to different cleaning needs, this appliance has a variety of cleaning mode to choose from. **You can start various cleaning modes through Robot, Remote control or Tuya Smart App.**

AUTO CLEANING MODE:

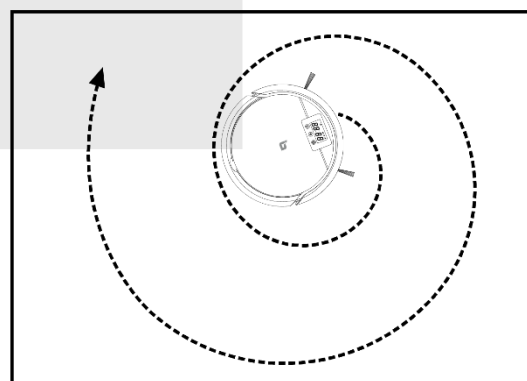
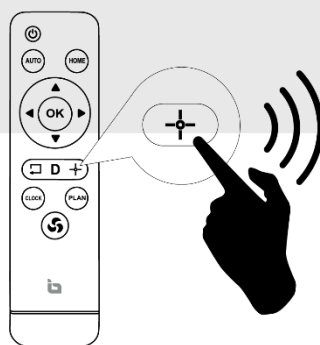
This mode would be the most commonly used cleaning method, it clean rooms automatically and adjusts its cleaning mode according to the actual home environment.

- This is the best mode for everyday cleaning. This mode usually clean using the cleaning pattern set in the previous step.
- Robot continues this process until it has cleaned an entire level of your home. In this mode, if its battery gets low or finished the cleaning cycle, it returns to the Charging station automatically.
- Use the remote/app to increase the suction power of the robot when in auto mode by pressing the 'strong power mode' . Press the same to switch back to standard suction power.



SPOT CLEANING MODE:

When you select spot cleaning, robot intensely cleans a localized area by spiralling outward about 1 meter in diameter and then spiralling inward to where it started.



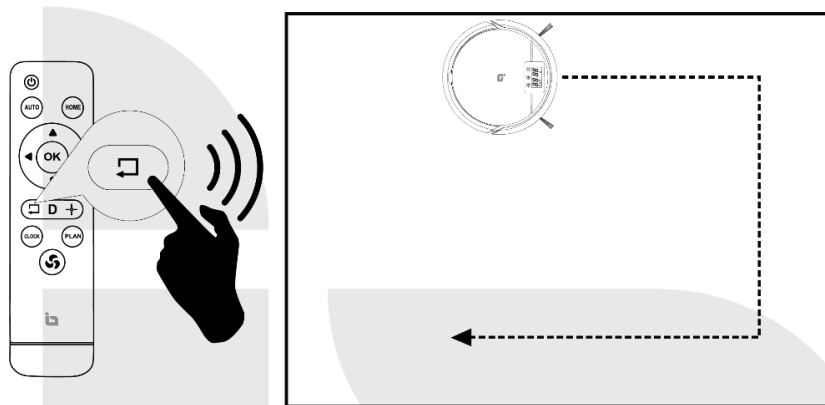
- This mode is applicable for an area of highly concentrated dirt or dust, as it focuses on a specific area to clean.
- When spot cleaning, robot boosts its vacuum power to provide the best cleaning possible where you need it.



EDGE CLEANING MODE:

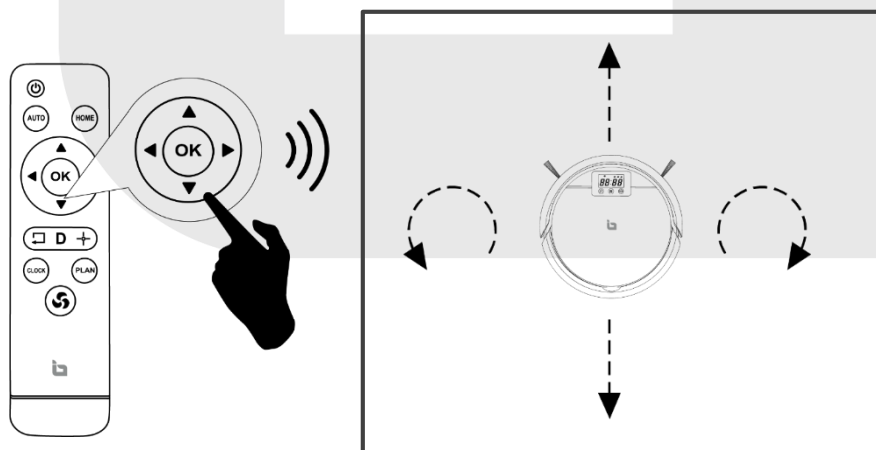
This is suitable for indoor corner cleaning, the robot cleans along the perimeter of fixed objects (such as walls), and returns to the charging seat after the edge cleaning is finished.

- This is suitable after robot finishes cleaning the open areas of your floor, to ensure that it has cleaned along walls and around furniture legs.



MANUAL CLEANING MODE:

You can direct Robot manually to clean a particular area by using the direction buttons on the remote control or using the app.



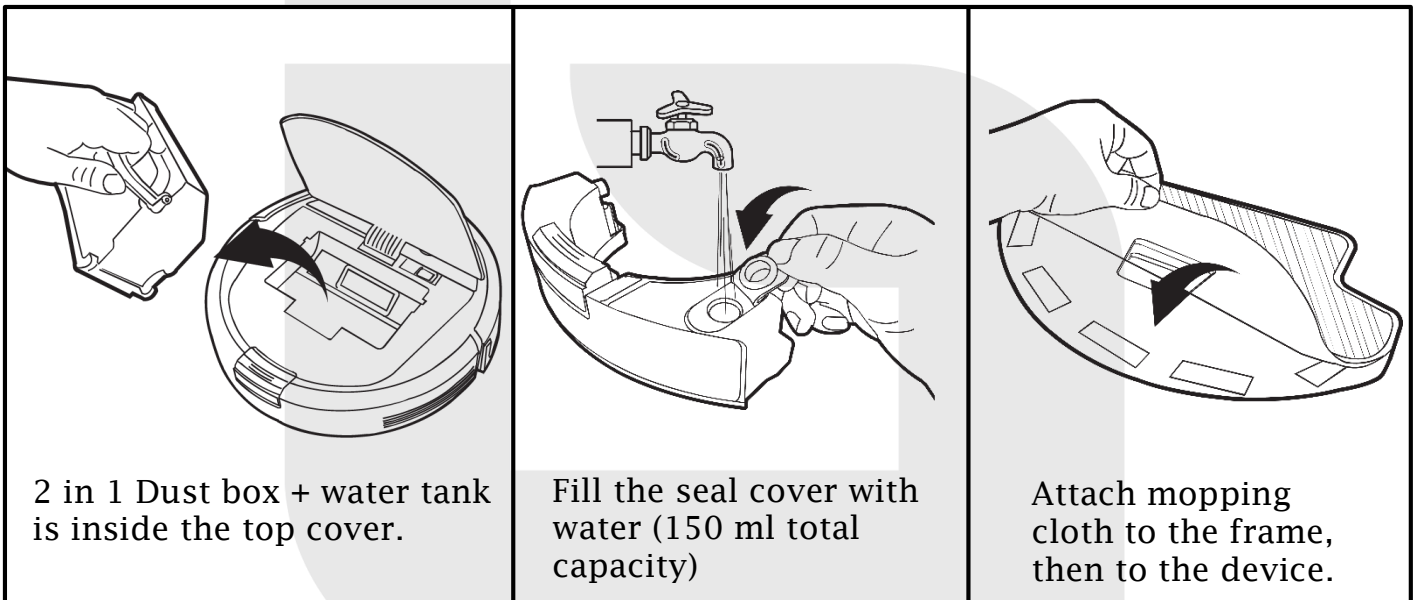
Pressing the direction buttons in the control can make robot cleaner move forward, backward, turns left or right and by that way helping to clean hard and left out areas.

WET MOPPING

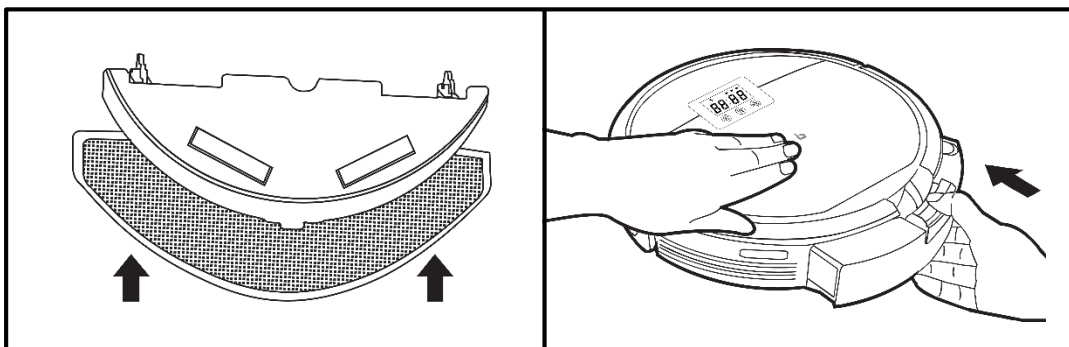
To initiate the Wet mopping function:

- Open the top cover and take out the dustbin (dust box+water tank/reservoir) from the appliance.
- Pull up the seal cover to fill water up to the required level. There is an outlet on the bottom of the appliance to initiate water.
- Place the dustbin back into the cleaner.
- Attach the mopping frame to bottom of the robot, stick the mopping cloth on mopping frame.
- Take off the mopping cloth when cleaning on carpet or rugs.

Do remember to empty water when you are not mopping floor.
No grain is allowed in water tank.



***Only in certain designs**, the bottom case can be slide out, where the dust box and water tank are visible, in that way it would be easy for filling the water and attaching the mopping cloth within the same.



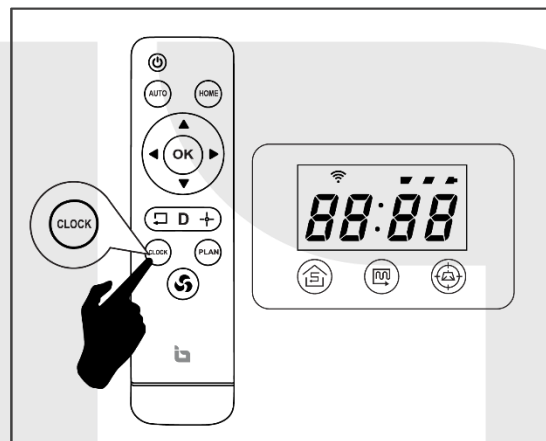
SCHEDULE CLEANING

This appliance has cleaning schedule settings which allow you to customize: when the Robot wants to clean your home. Before setting a schedule, make sure the robot is ON and not in charging.

Once the current time and scheduling settings are activated, the robot will start working as per the scheduled time every day.

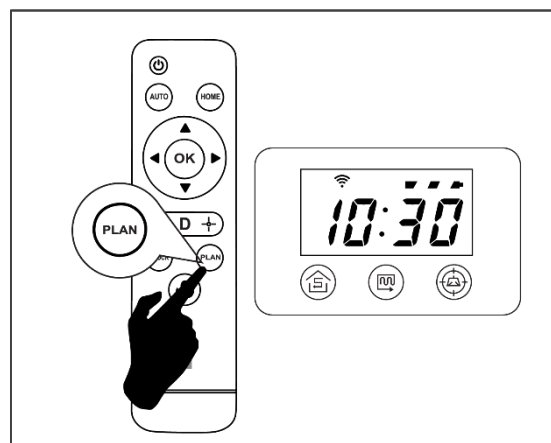
TIME SETTING:

- Press 'Clock' button in remote control, the left two numbers flash (hour setting), press Up or Down (direction) buttons to set up the current hour, press 'OK' to confirm.
- Then the right two numbers flash (minutes setting), press Up or Down buttons to set up the current minute, press OK to confirm.



SCHEDULING SETTING:

- Press 'Plan' button in remote control, the above procedure can be carried out to set a specific time for cleaning and by that way the scheduling setting will be finished.
- To cancel the scheduling, set up the scheduling time to [00:00] to cancel the scheduling.



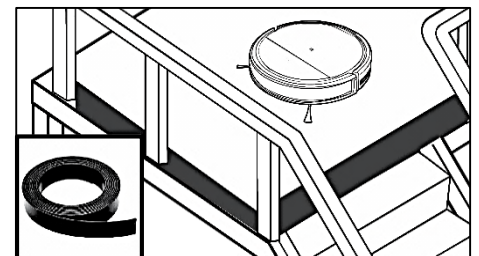
GENERAL OPERATION

WARNING! Before using Robot, pick up objects like clothing, loose papers, pull curtains, power cords, and any fragile objects. If the Robot passes over a power cord and drags it, there is a chance an object could be pulled off a table or shelf.

Refer specific instructions on page no. 4 and 5 before operation.

- Plug in the Charging station and place the remaining wire into the trunking at the bottom of the dock.
Place the dock station on a hard level surface and against a wall. (1.5 meters in front and 1 meters on both sides of the dock)
- Make sure the power switch is ON. Press any cleaning mode buttons on the robot or remote control or mobile applications to activate cleaning.
- When the robot is cleaning, pressing any cleaning mode button on the robot or remote control may stop the robot from current cleaning mode. (Detailed explanations on the different cleaning modes are stated on page no. 16)
- The robot automatically conducts route planning when cleaning. It may pause temporarily to recalculate its cleaning path. This is normal. Please be patient, the frequency and duration of the pause is determined by room complexity.
- If its battery gets low before finishing a cleaning cycle, robot returns to the dock to recharge. If the charging dock is inaccessible, Robot will not be able to recharge, please place the robot manually on the dock for charging.

Using Magnetic Strip (an optional accessory), you can keep the Robot away from any area or room you do not want it to clean as well as not to enter stairs or balcony, to avoid falling, as it can detect these strips.



It has an anti-falling sensor in-built to avoid the drop as well, though the use of strip is recommended (to avoid any sort of hazard). This is easily available in the market and cheap.

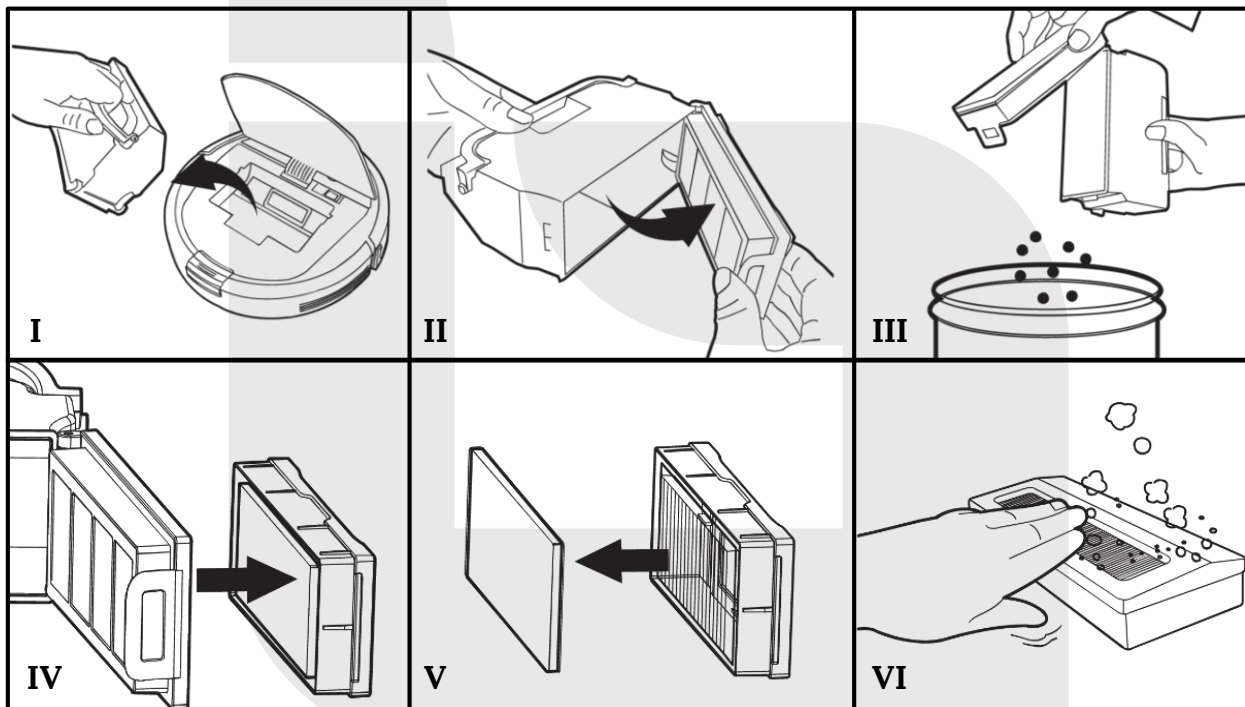


MAINTENANCE AND CLEANING

Before performing maintenance and cleaning, power OFF the robot and unplug the charging station.

DUST BOX:

- Open the top cover and take out the dustbin from the appliance.
- Remove the filter of the dustbin and empty the dustbin. Do not rinse the filter with water, only pat the filter. The dustbin is to be scrub clean and the filter with a soft brush.
- Replace the filter to the dustbin and put it back.



Before you start the robot cleaner after any maintenance, ensure that the dustbin filter has been properly installed. Otherwise damage may occur.

MOPPING SYSTEM:

- Do not allow water to sweep into the fan port when cleaning.
- After the robot finishes mopping, immediately remove the mopping cloth.
- Empty the remaining water from the reservoir of the bin.
- Wash the cloth and lay flat to dry.



MAIN BRUSH & SIDE BRUSH:

After being used for a period of time, the brushes need to be cleaned or replaced to work more effectively. A Multi-Function cleaning tool is highly recommended for easy cleaning these components.

- Turn the robot over. Remove the main brush cover. Remove the main brush. Cut off and remove any tangled hair or debris from the brush.
- Remove the Side brushes. Remove any hair or debris tangled around the side brushes and wipe their slots with a clean cloth. **If the side brushes bent, please soak it with hot water (about 80°C) until it recovers, take out the brushes after recovery.**

OTHER COMPONENTS:

The charging station, charging pole, the sensors etc., all contain sensitive electronic components, please use dry dishcloth or soft cotton cloth when cleaning, and do not use wet cloth to prevent damage caused by water inflow. Do not spray cleaning solution directly into the sensor opening.

To keep Robot running at peak performance, do maintenance and replacement according to the following frequency:

Robot Part	Maintenance Frequency	Replacement Frequency
Mopping Cloth	After each use	Every 50 washings
Dust Bin	After each use	---
Side brush	Once every 2 weeks	Every 3-6 months
Main Brush	Once per week	Every 6-12 months
Sponge Filter	Once every 2 weeks	Every 4-6 months
Wheel, Anti-drop sensor, Bumper, Charging contacts Charging Station pins.	Once per week	---



TROUBLESHOOTING

Suspected malfunctions are often due to causes that the users can fix themselves, therefore check the product using this section.

Problem	Possible Cause	Solution
1. Robot not charging	1.1 Not powered ON. 1.2 Not made a connection with the charging station. 1.3 Charging station is unplugged while robot powered ON. 1.4 Robot cannot return to the charging station.	1.1 Move the robot's power switch to the ON position. 1.2 Be sure that the robot's charging contacts have made a connection with the charging pole. Move the robot manually to make connection if necessary. 1.3 Plug in the charging station and ensure robot is powered ON. 1.4 The charging station is not placed properly.
2. Robot gets into trouble while working and stops	Robot is tangled with obstacles on the floor (electrical cords, drooping curtains, etc.).	Robot will try various ways to get itself out of trouble. If it is unsuccessful, check the side brushes and remove anything tangled around the brushes, or manually remove the obstacles.



3. Robot returns to charging station before it finishes cleaning.	3.1 When battery power gets low, it automatically switches to charge mode and returns to recharge itself 3.2 Working time varies according to the floor surface, room complexity and the selected cleaning mode.	3.1 This is normal. No solution necessary. 3.2 This is normal. No solution necessary.
4. Robot not cleaning automatically at scheduled time.	4.1 Time Scheduling function is somehow cancelled. 4.2 Robot powered OFF 4.3 Low battery	4.1 Please refer page no. 20 for details. 4.2 Power ON the robot 4.3 Robot should be powered ON as well as the charging station to make sure it has full battery to work at any time.
5. Water not coming out of the reservoir when it is mopping.	5.1 The magnet on the cleaning cloth frame comes off. 5.2 The reservoir runs out of water. 5.3 The water outlets on the bottom of robot are clogged.	5.1 Please contact our customer service. 5.2 Add water into the reservoir. 5.3 Check the water outlets on the bottom and clean.





Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.

CONTACT US

**HiTech Machineries & Equipments
IV/540E, Thottumugham, P.O, Aluva
Ernakulam(Dist), Kerala, India- 683105**

Toll Free : 1800 103 4090

Whatsapp : +91 8943 651651

Website : www.ibelltools.com

Email : icare@ibelltools.com

